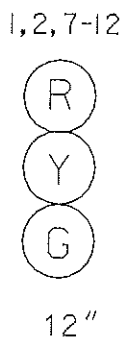
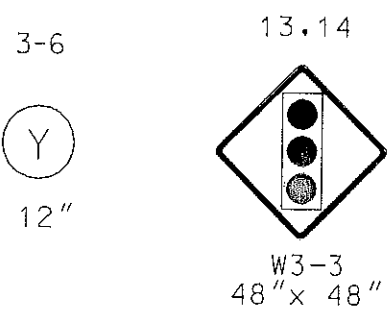


| F.H.W.A.<br>REGION NO. | STATE | FED. AID<br>PROJ. NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|--------------|-----------------|
| 3                      | MD    |                       |              |                 |

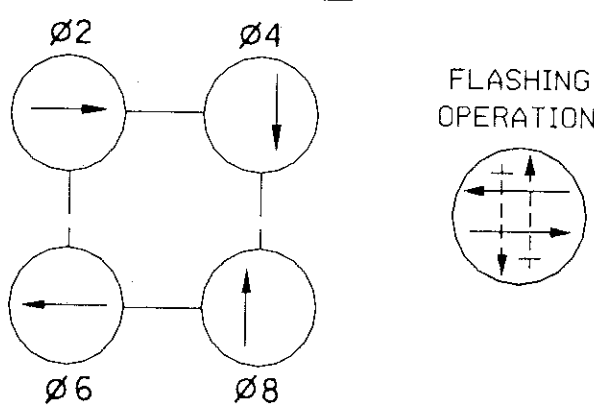
EXISTING SIGNALS



PROPOSED SIGNALS AND SIGN

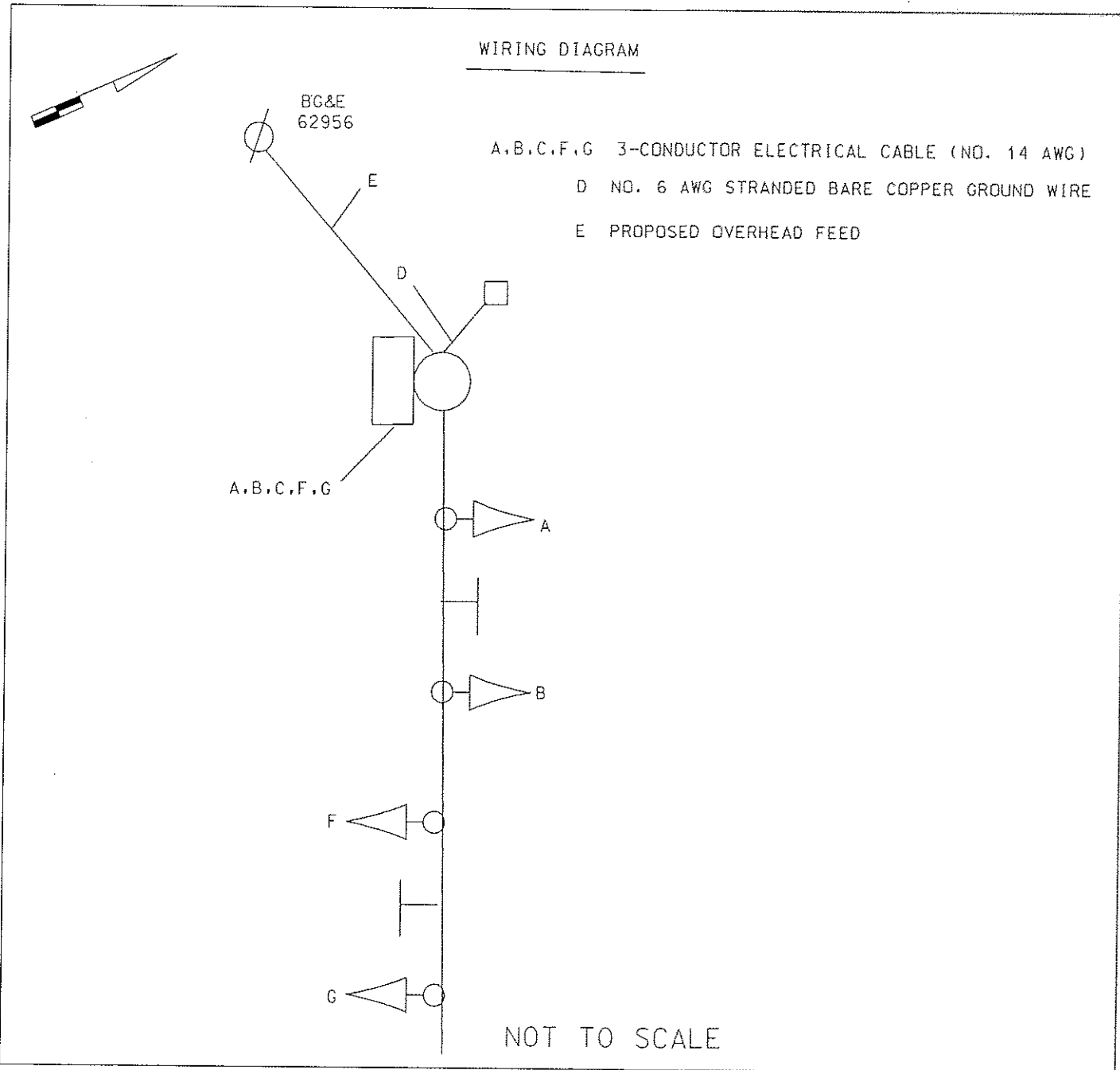


NEMA PHASING



PHASING NOTES:  
1. PHASES ASSOCIATED BY A DASHED LINE  
WILL OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A SOLID LINE  
WILL NOT OPERATE CONCURRENTLY.

SIGNALS 3 -6 AND SIGN 13 & 14 ARE PROPOSED.



US 1 IS ASSUMED TO RUN  
IN A NORTH / SOUTH DIRECTION

There is one (1) handhole  
located within this break  
190' north of the southern  
most handhole, 7' from the  
road edge.

CONSTRUCTION DETAILS

- (A) INSTALL 27' STEEL POLE WITH A 50' MAST ARM, TRAFFIC SIGNALS HEADS, SIGNS, PHOTOCELL, 1" ELECTRICAL CONDUIT GALVANIZED RISER AND POLE MOUNTED CONTROLLER AND CABINET. (INSTALL 2-2" SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS.)
- (B) INSTALL ELECTRICAL HANDHOLE.
- (C) INSTALL 2" SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- (D) PROPOSED OVERHEAD SERVICE BY BG&E.
- (E) REMOVE EXISTING HAZARD IDENTIFICATION BEACON.

EQUIPMENT LISTS

A. EQUIPMENT TO FURNISHED BY STATE HIGHWAY ADMINISTRATION

| ITEM NO. | QUANTITY | DESCRIPTION   |
|----------|----------|---|
| 9012     | 4 EA.    | 12" ONE-WAY, ONE SECTION SIGNAL HEAD (MAST ARM MOUNTED) |
| 9076     | 1 EA.    | CABINET "G" TYPE POLE MOUNT                             |
| 9089     | 32 SF.   | W3-3 SIGN (36" x 36") POLE MOUNTED 2 EACH               |
| 9092     | 1 EA.    | INTERSECTION MONITOR WITH BATTERY BACKUP                |
| 9106     | 1 EA.    | 27' SINGLE MAST ARM POLE 50' SERIES WITH ANCHOR BOLTS   |

B. EQUIPMENT TO FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION   |
|----------|----------|---|
| 2001     | 1 CY.    | TEST PIT EXCAVATION   |
| 8001     | 7 CY.    | FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION                      |
| 8019     | 1 EA.    | INSTALL CONTROLLER AND CABINET - POLE MOUNTED                           |
| 8024     | 10 LF.   | FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED     |
| 8033     | 1 EA.    | FURNISH AND INSTALL ELECTRICAL HANDHOLE                                 |
| 8034     | 1 EA.    | FURNISH AND INSTALL GROUND ROD  |
| 8043     | 500 LF.  | FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)         |
| 8048     | 25 LF.   | FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR (NO. 8 AWG)          |
| 8049     | 10 LF.   | FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE          |
| 8054     | 32 SF.   | INSTALL OVERHEAD SIGN   |
| 8058     | 1 EA.    | REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 INCH BELOW GRADE           |
| 8059     | 1 EA.    | REMOVAL OF EXISTING CONTROLLER, CABINET AND GALVANIZED SIGNAL STRUCTURE |
| 8060     | 1 EA.    | DELIVERY OF REMOVED CONTROLLER, CABINET AND GALVANIZED SIGNAL STRUCTURE |
| 8061     | 1 EA.    | REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT    |
| 8069     | 30 LF.   | FURNISH AND INSTALL 1 INCH ELECTRICAL CONDUIT - GALVANIZED RISER        |
| 8070     | 1 EA.    | FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT                  |
| 8073     | 1 EA.    | FURNISH AND INSTALL PHOTOCELL   |
| 8079     | 1 EA.    | INSTALL STEEL POLE AND SINGLE MAST ARM (ANY SIZE)                       |

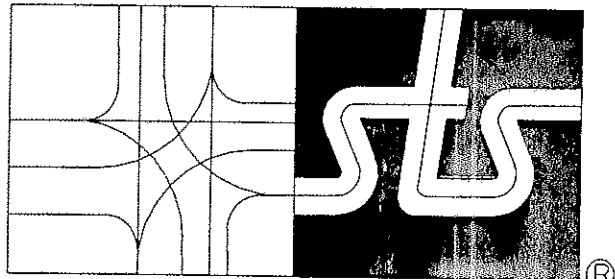
UTILITY LEGEND

|    |    |                  |
|----|----|------------------|
| T  | T  | TELEPHONE CABLES |
| G  | G  | GAS MAIN         |
| W  | W  | WATER MAIN       |
| S  | S  | SEWER MAIN       |
| E  | E  | ELECTRIC CABLES  |
| A  | A  | AERIAL CABLES    |
| BC | BC | BURIED CABLE     |
| SD | SD | STORM DRAIN      |

GEOMETRIC LEGEND

|     |     |                     |
|-----|-----|---------------------|
| --- | --- | EXISTING GEOMETRICS |
| --- | --- | PROPOSED GEOMETRICS |

REVISION "B" - AS BUILT



STREET TRAFFIC STUDIES, LTD.

Gateway International  
1302 Concourse Drive, Suite 104  
Linthicum, Maryland 21092  
(410) 859-3553

REVISIONS

| NO. | DESCRIPTION                                    | DATE    |
|-----|--|---------|
| 1   | INSTALLATION OF A. H.T.B. FOR N/B AND S/B US 1 | 8-13-97 |
| 2   | AS BUILT                                       | 1/28/97 |
| 3   | MODIFY ICB TO FULL COLOR OPERATION             | 7/96    |

APPROVALS

|  |  |
|--|--|
| ASST. DIR. CHIEF, SIGNAL DESIGN SECTION    |  |
| ASST. DISTRICT ENGINEER, TRAFFIC           |  |
| CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |  |
| DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC   |  |

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

|                      |             |
|----------------------|-------------|
| ORIGINAL<br>DRAWN BY | G. GEDNOMKI |
| DES. BY              | G. GEDNOMKI |
| CHK. BY              |             |
| DATE:                | 1/21/92     |
| SCALE:               | 1"=20'      |

US 1 (BELAIR RD) AND WHITAKER  
MILL RD/CONNOLLY RD

|                          |         |           |
|--------------------------|---------|-----------|
| LOG MILE NO. 12000102.35 | COUNTY: | HARFORD   |
| TS/FILE NO.              | 3190 C  | SHEET NO. |
|                          |         | 1 OF 1    |